Date: Wed, 29 Sep 93 13:52:29 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1154
To: Info-Hams

Info-Hams Digest Wed, 29 Sep 93 Volume 93 : Issue 1154

Today's Topics:

(none)
2.4 GHz pre-amp with Mitsubishi GaAs FETs
5 Weeks, 3 days
9 WEEKS!!!
Best way to learn code? (2 msgs)
Cavity amplifier design
Codeless Tech Debate (2 msgs)
EETimes Magazine
Ethernet Cable for Amateur Use
have you gotten cards from these stations
How much are 6 land incoming bureau envelopes?
Linear amp questions
Radio Shack 900 Mhz. phones?
Radio Shack HamRadios?? (Advice needed)
Reciprocal License Application in San Jose
Selling license info (was: Re: 6 weeks 1 day!)
simtel20 going away for good
TS50/MOBILE QUESTION
Where to buy an FT-530??
YAESU

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 29 Sep 93 14:56:29 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)

To: info-hams@ucsd.edu

Subject : Re: 6 weeks 1 day!

> I doubt the VEC's are selling names/addresses. The info is free from the FCC.
> Why would HRO and others pay for what they can get for nothing?

Not true. Maybe you can go in and look at FCC records for free, I don't know. But when Buckmaster, the CALLBOOK company, or all the online callbook server on the net request the info from FCC they have to pay something like $600.00 for the computer tape from FCC.

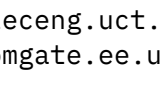
If I could get a callbook from FCC for free, why would I go to HRO and buy one?

73,
de km6wt, km6wt@n6qmy.#nocal.ca.usa.na
 mont@netcom.com
 mont@ibmmail.com

Date: 29 Sep 93 08:20:39 GMT
From: ogicse!psgrain!ee.und.ac.za!shrike.und.ac.za!casper.cs.uct.ac.za!com13.ee.uct.ac.za!crawford@network.ucsd.edu
Subject: 2.4 GHz pre-amp with Mitsubishi GaAs FETs
To: info-hams@ucsd.edu

Could someone please direct me to an article for a 2.4 GHz pre-amp based on the Mitsubishi MGF series GaAs FETs? If not available, I'll design one but I'd rather not "re-design the wheel" if I can help it.

Comments appreciated.
--
Brian Crawford KL7JDQ/ZS1 Phone: +27 21 650 3467/Fax: 3465
University of Cape Town Email: crawford@eleceng.uct.ac.za
Dept. Electrical Engineering crawford@comgate.ee.uct.ac.za
Rondebosch 7700, South Africa



Date: 29 Sep 93 17:56:00 GMT
From: rtech!ingres!garys@decwrl.dec.com
Subject: 5 Weeks, 3 days
To: info-hams@ucsd.edu

I can't believe it, I passed the 13wpm test last Sunday to upgrade my pending Tech+ to General and received my ticket on Monday. Elapse time: Aug. 21st to Sept. 27th - 5 1/2 weeks.

Gary - KE6BYU

Date: 28 Sep 1993 22:49:21 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!sdd.hp.com!col.hp.com!csn!news.sinet.slb.com!news.San-Jose.ate.slb.com!jones@network.ucsd.edu
Subject: 9 WEEKS!!!
To: info-hams@ucsd.edu

Bill Shymanski (bills@inqmind.bison.mb.ca) wrote:
: They must be pretty easy going in NB. I wrote my basic and advanced
: tests, got my 2nd choice of call sign, and made it back to the car
: before the parking meter ran out. I did phone ahead for an appointment
: first; but the DOC ran a pretty efficient operation here in Winnipeg.
: Is there any special reason a ham licence should take longer to
: get than, say, a driver's licence ?
: Bill
: VE4STW

I don't see why not. Last time I had mine renewed here in Arizona (my driver's license, that is), I went to the appropriate office, stood in line about 3 hours, had my picture taken, was handed the equivalent of a C.S.C.E., and about 12 weeks later recieved a notice that they were running "longer than expected", and about 4 weeks after that I recieved my driver's license. Total wait: about 16 weeks. So the FCC isn't really too bad, except that they don't send out notices saying that they're running behind. (I think that they've since changed the system yet again, so it doesn't take so long. The reason that they make you wait is that they run a nation-wide computer check to see if you have had your license suspended/revoked.)

73,
Clark

--
Disclaimer: The opinions expressed above are mine and not those of Schlumberger because they are NOT covered by the patent agreement!

Phone: (602) 345-3638 Internet: jones@sj.ate.slb.com
Packet: N7RPQ@K7BUC.AZ.USA.NA RF: N7RPQ/AA
Snail: Clark Jones, Schlumberger Technologies, 7855 S. River Pkwy #116, Tempe, AZ 85284-1825

Date: 29 Sep 1993 02:42:16 GMT
From: concert!lester.appstate.edu!usenet@decwrl.dec.com
Subject: Best way to learn code?
To: info-hams@ucsd.edu

I am wanting to upgrade to general and was wondering what people
thought is the best/easiest way to learn the code. I don't think
I'll have a problem with the written part of the exam, but the code
seems to be the biggest stumbling block. Any advice would be appreciated.
Thanks in advance.

KE4FPZ

Date: Wed, 29 Sep 1993 15:23:17 GMT
From: csus.edu!netcom.com!pineapp@decwrl.dec.com
Subject: Best way to learn code?
To: info-hams@ucsd.edu

In article <28asm8$2g1@lester.appstate.edu> RW884@CONRAD.APPSTATE.EDU (Watkins,
Robert Shawn) writes:
>I am wanting to upgrade to general and was wondering what people
>thought is the best/easiest way to learn the code. I don't think
>I'll have a problem with the written part of the exam, but the code
>seems to be the biggest stumbling block. Any advice would be appreciated.
>Thanks in advance.
>
>KE4FPZ

 I had used Super Morse for the P.C. It is located via ftp
on oak.oakland.edu /pub/msdos/hamradio. The file name is sm404.zip.

Good luck. I did it after 19 years as a Technician. I had a need
now that my sister-in-law lives in Papa New Guiana.
--
.---+--------------------------.
INTERNET: pineapp@netcom.com	Daniel Curry WB6STW/AA
AMPRNET : dan@wb6stw.ampr.org [44.4.20.144]	E-:-) Ham Radio Operator
AX.25 : wb6stw@n0ary.#NOCAL.CA.USA.NA	Redwood City, CA USA
'---+--------------------------'

Date: Wed, 29 Sep 1993 09:58:08 GMT

From: mcsun!sun4nl!tudelft.nl!news.twi.tudelft.nl!dejongh@uunet.uu.net
Subject: Cavity amplifier design
To: info-hams@ucsd.edu

This is my second attempt.... I didn't receive any response at all!
Come on.. is there actually nobody who can answer my questions?

Repost.....:

For a long time I'm looking for the mathematics behind amplifier cavity
design. Designing an amplifier with a 1/4 (3/4 or 5/4) wavelength Lecher is
not a problem. The mathematics and formulas are widely available.
Theory and practice coincide well.
Looking at several cavity designs of tube amplifiers in the 1 - 3 GHz range
it seems that one mode is common: TEM101 (I'm not sure if this is correct).
One can determine that for a circular cavity the diameter is related
to half the wavelength and depends on the capacitance of the tube being used.
The height, mostly fixed due to the physical properties of the tubes,
determines the cavity impedance, I'm told.
I asked numerous SHF-heroes about the formulas behind the cavities. Nobody
could give me a satisfying answer. In fact, most 'designers' admitted that
they used the trail and error approach.
Looking in several books (electronic engeneering, physics, etc) the theory
behind cavities is explained. But I've never seen a publication where
a tube (read: capacitance) is introduced and with what effect on the physical
properties of the cavity.
I want to design an amplifier for 1296 MHz (23 cm amateurband) with a tube
but I don't want to use the 3/4:5/4 wavelength approach.

Anyone in net.land who has info, examples or references on this subject?

Thanks in advance,

Remco, PA3FYM (besten@chem.ruu.nl)

Date: Wed, 29 Sep 1993 15:02:53 GMT
From: pacbell.com!att-out!cbnewsj!k2ph@decwrl.dec.com
Subject: Codeless Tech Debate
To: info-hams@ucsd.edu

Date: 29 Sep 93 12:03:31 GMT
From: cs.utexas.edu!not-for-mail@RUTGERS.EDU

Subject: Codeless Tech Debate
To: info-hams@ucsd.edu

Can anyone pinpoint the date in amateur radio history when Morse code
became irrelevant? To the nearest year would be good enough. Thanks.

Kris, AA5UO

Date: 29 Sep 93 11:51:18 GMT
From: news-mail-gateway@ucsd.edu
Subject: EETimes Magazine
To: info-hams@ucsd.edu

I need the name of the publisher, address, and phone number for the EETIMES
magazine. I just saw this info posted, but did not record it.
Thanks, 73 Dave

Date: Wed, 29 Sep 1993 17:28:17 GMT
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!
cis.ohio-state.edu!pacific.mps.ohio-state.edu!linac!uchinews!att-out!cbfsb!cbnews!
cbnewst!cbnewsm!gdo%aloft.att.com%
Subject: Ethernet Cable for Amateur Use
To: info-hams@ucsd.edu

I have obtained a good amount of Teflon thick Ethernet coax cable.
I would like to use it for my amateur antennas. It's shielded beyond
belief with a braid-foil-braid-foil setup. Does anybody know how it's
electrical characteristics relate to other popular coax types such as
Belden 9913? I'm well aware that it is 50 ohm and expensive. :-)

--

 Glenn D. O'Donnell, N3BDA Internet: gdo@aloft.att.com
 AT&T Bell Laboratories Packet: n3bda@n3dpu.#epa.pa.usa.na
 Allentown, PA Home QTH: Palmerton, PA

Date: 29 Sep 93 16:18:23 GMT
From: news-mail-gateway@ucsd.edu
Subject: have you gotten cards from these stations
To: info-hams@ucsd.edu

Has anyone received cards from the following stations for contacts made

around the same time?

```
     9Y4H      worked 10/20/92 (via K6NA)
     C56/F1LGQ worked 11/22/92
     VR6BB     worked 4/4/93   (via JF2KOZ)
     TR8GR     worked 4/25/93  (via F6AXX)
     ZK1AQY    worked 5/11/93  (via F1DBT)

                             73,
                             Scott
--
Scott Ginsburg            Voice: 508-436-3836
Wellfleet Communications  Internet: ginsburg@wellfleet.com
2 Federal St.             Amateur Radio: WA2CJT
Billerica, MA 01821       Packet: wa2cjt@n0ary.#nocal.ca.usa.na
```

Date: 29 Sep 93 14:46:38 GMT
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!sdd.hp.com!hpscit.sc.hp.com!
cupnews0.cup.hp.com!jholly@network.ucsd.edu
Subject: How much are 6 land incoming bureau envelopes?
To: info-hams@ucsd.edu

jeffrey.n.jones (jeffj@cbnewsm.cb.att.com) wants to know how much the
6-land buro envelops are....

Jeffrey, send money in $5 or $10 chunks...they take care of the grungy work
on figuring out how many envelops you get. I send $10 at a pop and the first
envelope I get back says I have 'n' envelopes and 'm' money. When the
'n' gets to 1, the 'm' starts going down and the envelopes still keep comming.

Jim Hollenback, WA6SDM
jholly@cup.hp.com

Date: Tue, 28 Sep 1993 15:48:18 GMT
From: dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!nshore!seastar!jjw@network.ucsd.edu
Subject: Linear amp questions
To: info-hams@ucsd.edu

As quoted from <1993Sep27.080751.1389@miavx3.mid.muohio.edu> by
clmorgan@miavx3.mid.muohio.edu:

> In article <1993Sep24.174826.15812@news.uiowa.edu>, drenze@icaen.uiowa.edu
(Douglas J Renze) writes:
> > Could somebody please clarify some questions about linear amplifiers for me?

> >
> > Here is more or less what I'm interested in having explained.
> >
> > 1. What exactly constitutes a linear amplifier?
>
> A linear amplifier is one in which the output tube(s) or transistor(s)
> conduct for a total of 360 degrees. This type of amplifier is
> required ONLY when the input signal is amplitude-modulated; i.e.,
> SSB, AM, etc.

 Well, that's *technically* correct, but an amp that conducts
for 360 degrees is *very* inefficient. Usually hams use the term
'linear' to mean amplifier of any type, and most 'linears' are class
AB or B and/or push-pull, and rely on filtering to remove the
distortion from the signal. (check out the moto app notes on 'linear'
amplifiers - biased to quiessent current of 20ma and putting out 50 or
more watts is *not* class A!)

 Aggreed on the rest of the posting...

--> jjw n9jzw frustrated class-A QRP wideband amp builder :-(
--
John Welch, N9JZW

Date: Mon, 27 Sep 1993 16:20:41 GMT
From: dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!howland.reston.ans.net!
vixen.cso.uiuc.edu!sdd.hp.com!col.hp.com!srgenprp!news.dtc.hp.com!hplextra!hpfcso!
davidd@network.ucsd.edu
Subject: Radio Shack 900 Mhz. phones?
To: info-hams@ucsd.edu

Hi,

I found this elsewhere (*scanner*)

> From: Brian.Opalka@115-747.FC.HP.COM (Brian Opalka)
>
>
> CH BASE HANDSET
> ___
> 01 902.100 926.100
> 02 902.130 926.130
> 03 902.160 926.160
> 04 902.190 926.190
> 05 902.220 926.220
> 06 902.250 926.250

> 07 902.280 926.280
> 08 902.310 926.310
> 09 902.340 926.340
> 10 902.370 926.370
> 11 902.400 926.400
> ^ ^ ^
> ^ ^ ^
> ^ ^ ^
> 59 903.870 927.870
>
>
> I suppose it would be much easier setting the search for these channels
instead of programming them all in!
>
> Bri:)

I think that problems could/will exist between these phones
and the 33 cm ham band (902 to 928 Mhz) users.

73.

David DeLano
WA6TIM
delano@fc.hp.com

Date: 28 Sep 93 16:32:01 PST
From: csus.edu!netcom.com!netcomsv!hotcity!nick@decwrl.dec.com
Subject: Radio Shack HamRadios?? (Advice needed)
To: info-hams@ucsd.edu

Radio Shack is having a sale this month (they only make a 100% profit instead
of 200%) on their HTX-404 (440Mhz transceiver). If you must purchase a Radio
Shack product, I'd suggest this one.

Nick Assar
nick@hotcity.com

Date: Wed, 29 Sep 1993 02:19:25 GMT
From: saimiri.primate.wisc.edu!hp9000.csc.cuhk.hk!hkuxb.hku.hk!hkuxa.hku.hk!
pckwong@ames.arpa
Subject: Reciprocal License Application in San Jose
To: info-hams@ucsd.edu

Can anyone right here let me know where to apply an reciprocal
license in San Jose area? I need the addrss (or postal address,
phone no. for inq.) and necessary procedures.

Thanks in advance.

Philips Wong

73! This is VS6XVI from Hong Kong!!

Date: Wed, 29 Sep 1993 15:01:06 GMT
From: spsgate!mogate!newsgate!news@uunet.uu.net
Subject: Selling license info (was: Re: 6 weeks 1 day!)
To: info-hams@ucsd.edu

In article <1993Sep29.134248.4204@cs.brown.edu> md@pstc3.pstc.brown.edu
(Michael P. Deignan) writes:
> ...
> I base my statements upon my own personal experience. When I upgraded
> from technican to advanced, three weeks after I upgraded I received a
> catalog from AES along with a "Congratulations on your upgrade!"
> letter. Since my new license didn't arrive from the FCC for another 4 weeks,
> and was dated three weeks after I had received my AES catalog, *SOMEONE* in
> the chain had to sell my name. Since it wasn't the FCC, and I doubt that the
> local VE did, then that only leaves one other intermidiary......
> ...
That's interesting. Which VEC handled your upgrade? I think it would be illegal
for the VE's to sell that info (I guess they could give it away, tho) but I
don't think it would be illegal for the VEC to do so (unethical, maybe).

Back in 'the old days' (pre-VEC, when the FCC gave the tests) it wasn't unusual
for this to happen. Lots of hams found out their callsigns from the advertising
they received before their licenses arrived, often a couple weeks or more
before. Of course, it wasn't legal to use the callsign before the license
arrived and I'm sure nobody ever did ;-).

73... Mark AA7TA

Date: 29 Sep 93 14:29:45 GMT
From: news-mail-gateway@ucsd.edu
Subject: simtel20 going away for good
To: info-hams@ucsd.edu

Greetings All,

I have known for some time that the Simtel20 was going to be trashed on the 30 of September. I have seen no word of it on this thread. I signed on this morning and got this message:

```
 WSMR-SIMTEL20.ARMY.MIL, PANDA TOPS-20 Monitor 7.1(21733)-4
 The system will go down 30-Sep-93 16:00:00 until 1-Jan-2000 00:00:00
 for Final shutdown of SIMTEL20

 ------------------------------------------------------------------------
 | Unauthorized access to this computer system is prohibited and is       |
 | subject to criminal and civil penalties (18 USC 1030 and 18 USC 2701). |
 ------------------------------------------------------------------------

 Please send all SIMTEL20 problem reports via email to ACTION.

    ***  Due to funding constraints, realignment of mission  ***
    ***  functions, and Department of Army downsizing;       ***

    ***        SIMTEL20 will cease operations !!!            ***
    ***        30 SEPTEMBER 1993 - 1600 HOURS MDT            ***

    ***  There are two days more of SIMTEL20 operations!     ***
    ***                                                      ***
```

If there is anything you want to download from the massive MS-DOS archives, the next day or so is all you have.

I still don't know if this newsgroup will be supported by the other system at White Sands Missile Range.

I've enjoyed the high level of technicial discussions and hope that the other system will get this newsgroup in the future.

My old address: lspringsteen@wsmr-simtel20.army.mil

My new address: lsprings@wsmr-enh15.army.mil

Packet: WB8LBZ @ K5WPH.NM.USA.NA

73 for now, Larry

Date: 29 Sep 93 14:39:16 GMT
From: walter!porthos!donner!jpb@RUTGERS.EDU
Subject: TS50/MOBILE QUESTION
To: info-hams@ucsd.edu

I am considering buying a TS50 for mobile and some portable operation. Am looking at the Outbacker HF Mobile Antenna also. Does anyone use this combo?

Are U using the AT50, if not, how is the bandwidth without adjustments. What type of Outbacker or other HF antenna are u using and how do you like the results?

Jim (KZ2H)

Date: Tue, 28 Sep 1993 18:35:10 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!usc!nic.csu.net!eis.CalState.EDU!sadams@network.ucsd.edu
Subject: Where to buy an FT-530??
To: info-hams@ucsd.edu

I may soon be in the market for an FT-530. Am going to sell my FT-470 to my brother, who just got his ticket.

What's a good price to pay for a new 530?? Anyone get a good deal recently and would like to share it?
Since there are no outlets in our city, it will have to be by mail order.

I purchased my FT-470 from AES, but got a little upset at them when the day after I received it they droped the price $20 :)

 Thanks for any help.

Steve Adams
internet - sadams@eis.calstate.edu
HAM - KD6KGJ
Packet - KD6KGJ@n6qmy.#nocal.ca.usa.na

Date: Tue, 28 Sep 1993 21:57:03 GMT
From: dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!csn!teal.csn.org!dfeldman@network.ucsd.edu
Subject: YAESU
To: info-hams@ucsd.edu

In article <289d02$etu@cville-srv.wam.umd.edu> ham@wam.umd.edu (Scott Richard Rosenfeld) writes:
>I have noticed that there is a trend of late. "ICOM" is spelled
>
>Look people, it's a guy's name, and I'm sure when he named the company,
>he pictured people spelling his name right...
>
YAZU.

Date: (null)
From: (null)
Well, Kris, it depends what you think it became irrelevant TO!
It still isn't irrelevant to amateur radio HF operations and
likely won't be for a long time to come. Now, as far as being
irrelevant as a LICENSING REQUIREMENT, some of us think that
may have occurred some 20 years ago! :-)

73,
Bob K2PH

--

Bob Schreibmaier K2PH | UUCP: ...!att!mtdcr!bob
AT&T Bell Laboratories | Internet: bob@mtdcr.att.com
Middletown, N.J. 07748 | ICBM: 40o21'N, 74o8'W

End of Info-Hams Digest V93 #1154
